

CLINICAL AND EXPERIMENTAL IMMUNOLOGY

CONTENTS

Vol 108 No 1 April 1997

- V. THON, H. EGGENBAUER, H. M. WOLF, M. B. FISCHER, J. LITZMAN, J. LOKAJ & M. M. EIBL: Antigen presentation by common variable immunodeficiency (CVID) B cells and monocytes is unimpaired 1
- I. KONDRATENKO, P. L. AMLOT, A. D. B. WEBSTER & J. FARRANT: Lack of specific antibody response in common variable immunodeficiency (CVID) associated with failure in production of antigen-specific memory T cells 9
- L. KACANI, H. STOIBER & M. P. DIERICH: Role of IL-15 in HIV-1-associated hypergammaglobulinaemia 14
- N. KOLBUS, U. FLEISCHER, M. MÄDER, K. FELGENHAUER & W. BEUCHE: Detection of T cells reactive to intestinal alkaline phosphatase, an autoantigen in acute bacterial infections, and discrimination between autoantigen-specific CD5⁺ and CD5⁻ B cells 19
- W. W. MAW, T. SHIMIZU, K. SATO & H. TOMIOKA: Further study on the roles of the effector molecules of immunosuppressive macrophages induced by mycobacterial infection in expression of their suppressor function against mitogen-stimulated T cell proliferation 26
- S. WORKU, A. BJÖRKMAN, M. TROYE-BLOMBERG, L. JEMANEH, A. FÄRNERT & B. CHRISTENSSON: Lymphocyte activation and subset redistribution in the peripheral blood in acute malaria illness: distinct $\gamma\delta^+$ T cell patterns in *Plasmodium falciparum* and *P. vivax* infections 34
- R. GIACOMELLI, P. CIPRIANI, R. LATTANZIO, M. DI FRANCO, M. LOCANTO, I. PARZANESE, A. PASSACANTANDO, A. CIOCCI & G. TONIETTI: Circulating levels of soluble CD30 are increased in patients with systemic sclerosis (SSc) and correlate with serological and clinical features of the disease 42
- L. ÅRFORS & A. K. LEFVERT: Enrichment of antibodies against phospholipids in circulating immune complexes (CIC) in the anti-phospholipid syndrome (APLS) 47
- Y.-C. CHEN, Y.-L. YE & B.-L. CHIANG: Establishment and characterization of cloned CD4⁺ CD8⁺ $\alpha\beta$ -T cell receptor (TCR)-bearing autoreactive T cells from autoimmune NZB \times NZW F₁ mice 52
- D. A. TROYER, B. CHANDRASEKAR, J. L. BARNES & G. FERNANDES: Calorie restriction decreases platelet-derived growth factor(PDGF)-A and thrombin receptor mRNA expression in autoimmune murine lupus nephritis 58
- M. STEPKOWSKI, L. TIAN, K. L. NAPOLI, R. GHOBRIAL, M. E. WANG, T. C. CHOU & B. D. KAHAN: Synergistic mechanisms by which sirolimus and cyclosporin inhibit rat heart and kidney allograft rejection 63
- Z. JUN, P. A. HILL, H. Y. LAN, R. FOTI, W. MU, R. C. ATKINS & D. J. NIKOLIC-PATERSON: CD44 and hyaluronan expression in the development of experimental crescentic glomerulonephritis 69
- A. MARTÍN, E. ESCUDERO & F. MAMPASO: Role of leucocyte adhesion molecules in aminonucleoside of puromycin (PAN)-associated interstitial nephritis 78
- O. CIOFU, T. PRESSLER, J. P. PANDEY & N. HØIBY: The influence of allotypes on the IgG subclass response to chromosomal β -lactamase of *Pseudomonas aeruginosa* in cystic fibrosis patients 88
- P. PANTELIDIS, A. M. SOUTHCOTT, C. M. BLACK & R. M. DU BOIS: Up-regulation of IL-8 secretion by alveolar macrophages from patients with fibrosing alveolitis: a subpopulation analysis 95
- H. J. MILBURN, L. W. POULTER, A. DILMEC, G. M. COCHRANE & D. M. KEMENY: Corticosteroids restore the balance between locally produced Th1 and Th2 cytokines and immunoglobulin isotypes to normal in sarcoid lung 105
- D. H. BEEZHOLD, D. A. KOSTYAL & G. L. SUSSMAN: IgE epitope analysis of the hevein preprotein; a major latex allergen 114
- T. HIDVÉGI, L. BERRENS, L. VARGA, F. MARAÑÓN, B. SCHMIDT, M. KIRSCHFINK & G. FÜST: Comparative study of the complement-activating and specific IgE-binding properties of ragweed pollen allergen 122
- A. DAHLMAN-HÖGLUND, L. Å. HANSON & S. AHLSTEDT: Induction of oral tolerance with effects on numbers of IgE-carrying mast cells and on bystander suppression in young rats 128
- S. KAKUMU, A. OKUMURA, T. ISHIKAWA, K. IWATA, M. YANO & K. YOSHIOKA: Production of interleukins 10 and 12 by peripheral blood mononuclear cells (PBMC) in chronic hepatitis C virus (HCV) infection 138
- C. A. SCHIRREN, M.-C. JUNG, R. ZACHOVAL, H. DIEPOLDER, R. HOFFMANN, G. RIETHMÜLLER & G. R. PAPE: Analysis of T cell activation pathways in patients with liver cirrhosis, impaired delayed hypersensitivity and other T cell-dependent functions 144
- N. M. BHAT, M. M. BIEBER, F. J. HSU, C. J. CHAPMAN, M. SPELLERBERG, F. K. STEVENSON & N. N. H. TENG: Rapid cytotoxicity of human B lymphocytes induced by VH4-34(VH4.21) gene-encoded monoclonal antibodies, II 151
- K. AIZAWA, T. HAMANO, T. IWASAKI & E. KAKISHITA: Down-regulatory role of surface CD4 molecules on autoreactive helper T cells during B cell activation 160
- M. SEGELMARK, B. PERSSON, T. HELLMARK & J. WIESLANDER: Binding and inhibition of myeloperoxidase (MPO): a major function of ceruloplasmin? 167
- P. VADAS, B. GROUX, E. STEFANSKI, M. WLOCH, W. PRUZANSKI, J. SCHROEDER & J. GAULDIE: Coordinate expression of group II phospholipase A₂ and the acute-phase proteins haptoglobin (HP) and α_1 -antichymotrysin (ACH) by HepG2 cells 175

Vol 108 No 2 May 1997

- U. KISHORE, R. D. SONTHEIMER, K. N. SASTRY, E. G. ZAPPI, G. R. V. HUGHES, M. A. KHAMASHTA, K. B. M. REID & P. EGGLETON: The systemic lupus erythematosus (SLE) disease autoantigen-calreticulin can inhibit Clq association with immune complexes 181
- A. G. TZIOUFAS, E. YIANNAKI, M. SAKARELLOSDAITSIOTIS, J. G. ROUTSIAS, C. SAKARELLOS & H. M. MOUTSOPOULOS: Fine specificity of autoantibodies to La/SSB: epitope mapping and characterization 191
- K. MIGITA, K. EGUCHI, Y. INCHINOSE, Y. KAWABE, T. TSUKADA, T. AOYAGI & S. NAGATAKI: Effects of rapamycin on apoptosis of rheumatoid synovial cells 199
- S. KANEKO, N. SUZUKI, N. YAMASHITA, N. NAGAFUCHI, T. NAKAJIMA, S. WAKISAKA, S. YAMAMOTO & T. SAKANE: Characterization of T cells specific for an epitope of human 60-kD heat shock protein (hsp) in patients with Behçet's disease (BD) in Japan 204
- H.-O. ITO, T. SO, T. UEDA, T. IMOTO & T. KOGA: Prevention of collagen-induced arthritis (CIA) by treatment with polyethylene glycol-conjugated type II collagen; distinct tolerogenic property of the conjugated collagen from the native one 213
- M. MACANOVIC & P. J. LACHMANN: Measurement of deoxyribonuclease I (DNase) in the serum and urine of systemic lupus erythematosus (SLE)-prone NZB/NZW mice by a new radial enzyme diffusion assay 220
- J. GEORGE, M. BLANK, M. HOJNIK, E. BAR-MEIR, T. KOIKE, E. MATSUURA, M. LORBER, M. AVIRAM & Y. SHOENFELD: Oxidized low-density lipoprotein (Ox-LDL) but not LDL aggravates the manifestations of experimental antiphospholipid syndrome (APS) 227
- P. A. JOHNSON, H. D. ALEXANDER, S. A. MCMILLAN & A. P. MAXWELL: Up-regulation of the endothelial cell adhesion molecule intercellular adhesion molecule-1 (ICAM-1) by autoantibodies in autoimmune vasculitis 234
- J. H. KIM, J. E. LOVELAND, K. V. SITZ, S. RATTOKIM, R. J. MCLINDEN, K. TENCER, K. DAVIS, D. S. BURKE, R. N. BOSWELL, R. L. REDFIELD & D. L. BIRX: Expansion of restricted cellular immune responses to HIV-1 envelope by vaccination: IL-7 and IL-12 differentially augment cellular proliferative responses to HIV-1 243
- G. PIZZOLO, F. VINANTE, G. NADALI, M. KRAMPERA, L. MOROSATO, M. CHILOSI, R. RAITERI & A. SINICCO: High serum level of soluble CD30 in acute primary HIV-1 infection 251
- T. SUZUKI, H. TAI, H. YOSHIE, D. JEANNEL, S. FOURNIER, B. DUPONT, G. DE THÉ & K. HARA: Characterization of HIV-related periodontitis in AIDS patients: HIV-infected macrophage exudate in gingival crevicular fluid as a hallmark of distinctive etiology 254
- M. KAWANO, S. TSUNODA, I. KONI, H. MABUCHI, H. MURAMOTO, A. YACHIE & H. SEKI: Decreased expression of 20-kD homologous restriction factor (HRF20, CD59) on T lymphocytes in Epstein-Barr virus (EBV)-induced infectious mononucleosis 260
- M. ITO, M. WATANABE, T. IHARA, H. KAMIYA & M. SAKURAI: Measles virus induces apoptotic cell death in lymphocytes activated with phorbol 12-myristate 13-acetate (PMA) plus calcium ionophore 266
- S. BAIZE, G. WAHL, P. T. SOBOSLAY, T. G. EGWANG & A. J. GEORGES: T helper responsiveness in human *Loa loa* infection; defective specific proliferation and cytokine production by CD4⁺ T cells from microfilaraemic subjects compared with amicrofilaraemics 272
- S. PICOT, A. NKWELLE AKEDE, J.-F. CHAULET, E. TETANYE, P. RINGWALD, J.-M. PRÉVOSTO, C. BOUDIN & P. AMBROISE-THOMAS: Chloroquine self-treatment and clinical outcome of cerebral malaria in children 279
- S. FUJII, K. ONO, S. SHIGETA, T. JYO & U. YAMASHITA: Human T cell responses to recombinant mite antigens of *Dermatophagoides farinae* 284
- K. KATAGIRI, S. ITAMI, Y. HATANO & S. TAKAYASU: Increased levels of IL-13 mRNA, but not IL-4 mRNA, are found *in vivo* in peripheral blood mononuclear cells (PBMC) of patients with atopic dermatitis (AD) 289
- Y. YANAGIHARA, K. KAJIWARA, Y. BASAKI, K. IKIZAWA, K. AKIYAMA & H. SAITO: Induction of human IgE synthesis in B cells by a basophilic cell line, KU812 295
- N. KATOH, S. HIRANO, S. KISHIMOTO & H. YASUNO: Calcium channel blockers suppress the contact hypersensitivity reaction (CHR) by inhibiting antigen transport and presentation by epidermal Langerhans cells in mice 302
- A. PAPPA, V. CALDER, P. FELS & S. LIGHTMAN: Adhesion molecule expression *in vivo* on extraocular muscles (EOM) in thyroid-associated ophthalmopathy (TAO) 309
- J.-O. SANDBERG, D. L. EIZIRIK & S. SANDLER: IL-1 receptor antagonist inhibits recurrence of disease after syngeneic pancreatic islet transplantation to spontaneously diabetic non-obese diabetic (NOD) mice 314
- K. MIYAZAKI, N. M. ISBEL, H. Y. LAN, M. HATTORI, K. ITO, M. BACHER, R. BUCALA, R. C. ATKINS & D. J. NIKOLIC-PATERSON: Up-regulation of macrophage colony-stimulating factor (M-CSF) and migration inhibitory factor (MIF) expression and monocyte recruitment during lipid-induced glomerular injury in the exogenous hypercholesterolaemic (ExHC) rat 318
- C. J. KOOTSTRA, D. M. VAN DER GIEZEN, J. H. J. M. VAN KRIEKEN, E. DE HEER & J. A. BRUIJN: Effective treatment of experimental lupus nephritis by combined administration of anti-CD11a and anti-CD54 antibodies 324
- M. BLANK, D. B. CINES, G. AREPALLY, A. ELDOR, A. AFEK & Y. SHOENFELD: Pathogenicity of human antiplatelet factor 4 (PF4)/heparin *in vivo*: generation of mouse anti-PF4/heparin and induction of thrombocytopenia by heparin 333
- N. SHINTANI, T. NAKAJIMA, H. NAKAKUBO, H. NAGAI, Y. KAGITANI, H. TAKIZAWA & H. ASAKURA: Intravenous immunoglobulin (IVIg) treatment of experimental colitis induced by dextran sulfate sodium in rats 340
- B. CHANDRASEKAR, J. T. COLSTON & G. L. FREEMAN: Induction of proinflammatory cytokine and antioxidant enzyme gene expression following brief myocardial ischaemia 346
- A. HOMBACH, T. TILLMANN, M. JENSEN, C. HEUSER, R. SIRCAR, V. DIEHL, W. KRUIS & C. POHL: Specific activation of resting T cells against tumour cells by bispecific antibodies and CD28-mediated costimulation

is accompanied by Th1 differentiation and recruitment of MHC-independent cytotoxicity		mRNA for IL-4 in the Brown Norway rat: support for a role for Th2 cell activity	438
R. LORD, S. GOTO, F. VARI, C. EDWARDS-SMITH, S. CHIBA, M. SUNAGAWA & S. V. LYNCH: Differences in the rate of donor leucocyte migration between natural and drug-assisted tolerance following rat liver transplantation	352	S. TAKESHITA, H. DOBASHI, K. NAKATANI, Y. KOIKE, H. TSUJIMOTO, K. HIRAYAMA, Y. KAWAMURA, K. MORI, I. SEKINE & S. YOSHIOKA: Circulating soluble selectins in Kawasaki disease	446
J. RIDINGS, I. C. NICHOLSON, W. GOLDSWORTHY, R. HASLAM, D. M. ROBERTSON & H. ZOLA: Somatic hypermutation of immunoglobulin genes in human neonates	358	K. TSUBOKURA, E. BERNDTSON, A. BOGSTEDT, B. KAUSER, M. KIM, M. OZEKI & L. HAMMARSTRÖM: Oral administration of antibodies as prophylaxis and therapy in <i>Campylobacter jejuni</i> -infected chickens	451
F. A. HOUSIAU, F. MASCART-LEMONE, M. STEVENS, M. LIBIN, J.-P. DEVOGELAER, M. GOLDMAN & J.-C. RENAULD: IL-12 inhibits <i>in vitro</i> immunoglobulin production by human lupus peripheral blood mononuclear cells (PBMC)	366	H. XIONG, S. OHYA, Y. TANABE & M. MITSUYAMA: Persistent production of interferon-gamma (IFN- γ) and IL-12 is essential for the generation of protective immunity against <i>Listeria monocytogenes</i>	456
	375	J. D. M. CAMPBELL, D. J. BROWN, A. K. NICHANI, S. E. M. HOWIE, R. L. SPOONER & E. J. GLASS: A non-protective T helper 1 response against the intra-macrophage protozoan <i>Theileria annulata</i>	463
		M. G. SALMON, J. B. DE SOUZA, G. A. BUTCHER & J. H. L. PLAYFAIR: Premature removal of uninfected erythrocytes during malarial infection of normal and immunodeficient mice	471
Vol 108 No 3 June 1997		M. L. JOHNSON, L. G. KEETON, Z.-B. ZHU, J. E. VOLANAKIS, M. D. COOPER & H. W. SCHROEDER: Age-related changes in serum immunoglobulins in patients with familial IgA deficiency and common variable immunodeficiency (CVID)	477
K. CHOUDHURI, G. MIELI-VERGANI & D. VERGANI: Cytochrome P4502D6: understanding an autoantigen	381	C. PIGNATA, M. FIORE, I. SCOTSE, E. COSENTINI, M. P. SPERANDEO, C. TURCO, A. PETRELLA, L. NOTARANGELO & S. VENUTA: Combined immunodeficiency phenotype associated with inappropriate spontaneous and activation-induced apoptosis	484
Z. X. LIU, S. SUGAWARA, N. HIWATASHI, M. NOGUCHI, H. RIKIISHI, K. KUMAGAI & T. TOYOTA: Accessory cell function of a human colonic epithelial cell line HT-29 for bacterial superantigens	384	K. SANDSTEDT, A. BERGLÖF, R. FEINSTEIN, G. BÖLSKE, B. EVENGÅRD & C. I. E. SMITH: Differential susceptibility to <i>Mycoplasma pulmonis</i> intranasal infection in X-linked immunodeficient (<i>xid</i>), severe combined immunodeficient (<i>scid</i>), and immunocompetent mice	490
E. G. DE LA CONCHA, M. FERNANDEZ-ARQUERO, S. SANTA-CRUZ, G. LOPEZ-NAVA, M. A. FIGUERO, M. DIAZ-RUBIO & J. GARCIA-PAREDES: Positive and negative associations of distinct HLA-DR2 subtypes with ulcerative colitis (UC)	392	A. E. PLATONOV, G. A. SHIPULIN, O. JU. SHIPULINA, I. V. VERSHININA & P. DENSEN: Heterozygous C8 β complement deficiency does not predispose to meningococcal disease	497
A. M. YAMAMOTO, C. JOHANET, J.-C. DUCLOS-VALLEE, F. A. BUSTARRET, F. ALVAREZ, J.-C. HOMBERG & J.-F. BACH: A new approach to cytochrome CYP2D6 antibody detection in autoimmune hepatitis type-2 (AIH-2) and chronic hepatitis C virus (HCV) infection: a sensitive and quantitative radioligand assay	396	M. J. HOBART, B. A. FERNIE, R. WÜRZNER, R. G. OLDROYD, R. A. HARRISON, V. JOYSEY & P. J. LACHMANN: Difficulties in the ascertainment of C9 deficiency: lessons to be drawn from a compound heterozygote C9-deficient subject	500
J. C. W. EDWARDS, S. BLADES & G. CAMBRIDGE: Restricted expression of Fc γ RIII (CD16) in synovium and dermis: implications for tissue targeting in rheumatoid arthritis (RA)	401	C. POMEROY, J. MITCHELL, E. ECKERT, N. RAYMOND, R. CROSBY & A. P. DALMASSO: Effect of body weight and caloric restriction on serum complement proteins, including Factor D/adipsin: studies in anorexia nervosa and obesity	507
J. C. W. EDWARDS, R. D. LEIGH & G. CAMBRIDGE: Expression of molecules involved in B lymphocyte survival and differentiation by synovial fibroblasts	407	C. EKERFELT, J. ERNERUDH & M. VRETHEM: Th1-like responses to peptides from peripheral nerve myelin proteins in patients with polyneuropathy associated with monoclonal gammopathy	516
U. NYMAN, Å. MÜSSENER, E. LARSSON, J. LORENTZEN & L. KLAESKOG: Amelioration of collagen II-induced arthritis in rats by the type IV phosphodiesterase inhibitor Rolipram	415	F. D. SHI, G.-X. ZHANG, X.-F. BAI, P.-H. VAN DER MEIDE & H. LINK: Cellular mRNA expression of interferon-gamma (IFN- γ), IL-4 and IL-10 relates to resistance to experimental autoimmune myasthenia gravis (EAMG) in young Lewis rats	523
D. VÁZQUEZ-ABAD, L. TIAN, M. ZANETTI & N. F. ROTHFIELD: A cross-reactive idotype in scleroderma	420	T. HOSHINO, R. SUZUKI, Y. TSURUTA, T. MATSUTANI,	
A. HAUSCHILD, H. KROEGER, N. A. MITCHISON, S. UGRINOVIC & K. ZWINGENBERGER: Thalidomide therapy of established collagen-induced arthritis (CIA) not accompanied by an evident Th2 shift	428		
H. M. BURT & J. K. JACKSON: The priming action of tumour necrosis factor-alpha (TNF- α) and granulocyte-macrophage colony-stimulating factor (GM-CSF) on neutrophils activated by inflammatory microcrystals	432		
F. J. QASIM, S. THIRU & K. GILLESPIE: Gold and D-penicillamine induce vasculitis and up-regulate			

M. KIKUCHI, M. KAWAMOTO, R. GOUHARA, T. SHIRAISHI, M. MOCHIZUKI, K. ITOH & K. OIZUMI: Non-restricted T cell receptor (TCR)-V α and -V β gene usage in patients with pulmonary sarcoidosis	529
B. L. SHIRKEY, S. SLAVIN, B. P. VISTICA, M. J. PODGOR & I. GERY: Immunomodulatory effects of linomide in animals immunized with immunopathogenic retinal antigens: dissociation between different immune functions	539
B. LAGIER, B. LEBEL, J. BOUSQUET & J. PÈNE: Different modulation by histamine of IL-4 and interferon-gamma (IFN- γ) release according to the phenotype of human Th0, Th1 and Th2 clones	545
N. SHARFE, H. K. DADI, J. J. O'SHEA & C. M. ROIFMAN: Jak3 activation in human lymphocyte precursor cells	552
L. A. FERNANDEZ, R. CHENG, I. SADEK, T. J. NEVILL & J. M. MACSWEEN: Normal CD5 ⁺ B lymphocytes are poor stimulators in the autologous mixed lymphocyte reaction (AMLR)	557

